1　1. (currently amended) A graphical user interface for specifying an action ~~on a~~which

2　modifies a value of a field of a record stored in a memory device. the action, once

3　specified, being thereafter automatically performed when a query with which the action is

4　associated returns the record, the query being executed on a processor that has access to

5　the memory device and interacts with the graphical user interface, and

6　the graphical user interface comprising:

7　　　　a window containing a table wherein the field of the record has an entry that is

8　selectable by the user, the entry including

9　　　　　　a first field of the entry that identifies the field of the record to be ~~acted~~

10　modified by the action~~on~~; and

11　　　　　　one or more action fields of the entry that, when the user has selected the

12　entry, the user may set to specify the action.

13　　.

1　2. (original) The graphical user interface set forth in claim 1 wherein:

2　　　　the identified field's values belong to one of a plurality of types; and

3　　　　the action fields in the entry are determined by the type of the identified field's

4　values.

1　3. (original) The graphical user interface set forth in claim 2 wherein:

2　　　　the plurality of types include types whose values belong to ordered sets that are

3　defined in the system in which the graphical user interface is used, types whose values

4　specify times, and types whose values specify persons.

1　4. (original) The graphical user interface set forth in claim 1 wherein:

2　　　　the user may set the action fields to specify that the identified field be cleared.

1   **5.** (original) The graphical user interface set forth in claim 1 wherein:

2   the user may set the action fields to specify a value and to specify that the value

3   be assigned to the identified field.

1   **6.** (original) The graphical user interface set forth in claim 1 wherein:

2   when the field's entry is selected, the user may set the action fields to specify an

3   operation by which a new value for the identified field may be computed from a current

4   value which is the identified field's value when the record is returned.

1   **7.** (original) The graphical user interface set forth in claim 6 wherein:

2   the field's value belongs to an ordered set of values; and

3   the user may set the action fields to specify an increment operation wherein the

4   new value is a value that follows the identified field's current value in the ordered set of

5   values.

1   **8.** (original) The graphical user interface set forth in claim 1 wherein:

2   the identified field may have a null value when the record is returned; and

3   the user may set the action fields to specify an action that is to be performed when

4   the identified field has the null value and/or an action that is to be performed when the

5   identified field does not have the null value.

1   **9.** (previously presented) The graphical user interface set forth in claim 1 wherein:

2   the user may set the action fields to specify a reference field which is another field

3   in the record and a reference field operation by which a new value for the identified field

4   may be computed from a current value of the reference field, the current value being the

5   value that the reference field has when the record is returned from the query.

1   **10.** (previously presented) The graphical user interface set forth in claim 9 wherein:

2   the identified field may have a null value when the record is returned; and

3   the user may set the action fields to specify a first reference field and a first

4   reference field operation that is to be performed when the identified field has the null

5   value and/or a second reference field and a second reference field operation that is to be

6   performed when the identified field does not have the null value.

1   **11.** (original) The graphical user interface set forth in claim 9 wherein:

2   the reference field operation assigns the current value of the reference field to the

3   identified field.

1   **12.** (original) The graphical user interface set forth in claim 9 wherein:

2   the identified field and the reference field have time values; and

3   the user may further set the action fields to specify an amount of time by which

4   the reference field's current value is increased or decreased to compute the new value for

5   the identified field.

1   **13.** (original) The graphical user interface set forth in claim 12 wherein:

4

2   the user may further set the action fields to specify the amount of time in one of a

3   plurality of ways.

1   **14.** (original) The graphical user interface set forth in claim 13 wherein:

2   one of the plurality of ways is days; and

3   when days have been specified, the user may further set the action fields to

4   specify whether the days will be computed as business days or calendar days.

1   **15.** (original) The graphical user interface set forth in claim 12 wherein:

2   one of the reference fields is a field whose value is always set to the current time

3   when the query returns the record.

1   **16.** (original) The graphical user interface set forth in claim 1 wherein:

2   the identified field has a person value; and

3   the user may set the action fields to specify a role reference field from which a

4   new person value for the identified field may be obtained, the role reference field

5   referring to an ordered set of person values wherein one of the person values is a last-

6   used person value and the role reference field obtaining the next person value following

7   the last-used person value at the time the record is returned as the new person value for

8   the identified field.

1   **17.** (original) The graphical user interface set forth in claim 16 wherein:

2   the user may further set the action fields to specify a person reference field that

3   has a person value, the identified field being set from the value of the person reference

4   field when the record is returned.

1   **18.** (previously presented) The graphical user interface set forth in claim 17 wherein:

2   another action has been specified which assigns the person reference field a value

3   from a role reference field; and

4   when the record is returned, actions which assign person fields values from role

5   reference fields are performed prior to other actions.

1   **19.** (original) The graphical user interface set forth in claim 16 wherein:

2   the user may further set the action fields to directly specify a person value, the

3   identified field being set from the directly-specified person value when the record is

4   returned.